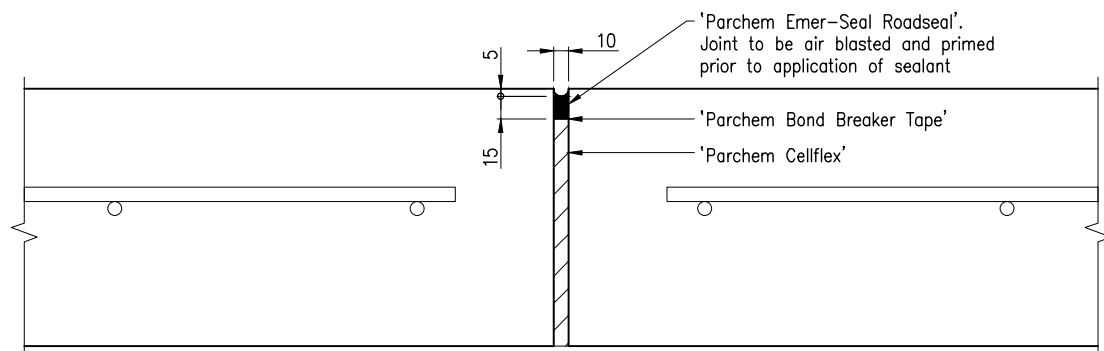


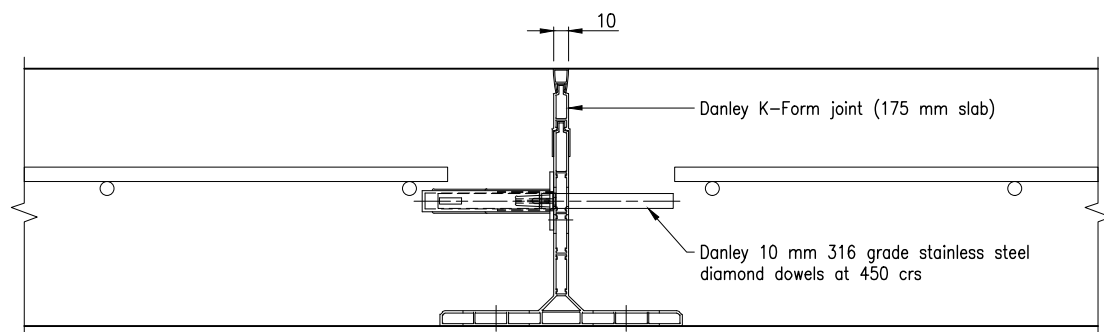
Crushed rock core shown indicatively only. Depth of core will depend on existing/excavated surface profile. Refer to project specific design drawings for further details.

CAST INSITU SLAB WITH PLANK CONNECTION DETAIL
Scale A



ISOLATION JOINT (IJ)

DETAIL 1
Scale B



DOWELLED EXPANSION JOINT (DJ)

DETAIL 2
Scale B

NOTES:

1. TRADE NAMES have been used for a particular product requirement but equivalent products may be submitted for approval.
2. CONSTRUCTION OF BOAT RAMP shall be in accordance with MRTS300.
3. CONCRETE to be in accordance with MRTS70.
Concrete to be S50/20, exposure classification C.
Concrete to be cured in accordance with MRTS70.
4. REINFORCING STEEL to be read in conjunction with Standard Drawings 1043 and 1044.
Reinforcing steel to be in accordance with AS/NZS 4671 and MRTS71.
Deformed bars Grade D500N.
Mesh Grade D500L.
Minimum cover to reinforcing steel shall be 65 unless shown otherwise.
All carbon reinforcing steel to be Australian Certification Authority for Reinforcing Steel (ACRS) certified.
All carbon steel reinforcing bars, reinforcing mesh and tiwires shall be hot dip galvanised to AS/NZS 4680.
5. STAINLESS STEEL to be in accordance with ASTM A276.
Stainless Steel flat bar Grade 316.
All work shall be neatly finished with sharp edges removed.
6. SURFACE FINISH: Trafficable surface to have a medium broom finish at 90° to the boat ramp control line.
7. FORMWORK and removal of formwork to be in accordance with MRTS70.
8. For RG4000 and RG3500 Precast Plank details refer Standard Drawing 4000.
For OS4000 and OS3500 Precast Plank details refer Standard Drawing 4001.
For link bar details and precast plank installation details refer Standard Drawing 4020.
For geotextile, geogrid, 75 mm crushed rock and earthworks details refer Standard Drawing 4021.
9. DIMENSIONS are in millimetres unless shown otherwise.

ASSOCIATED DEPARTMENTAL DOCUMENTS:

Standard Drawings
Specifications

REFERENCED DOCUMENTS:

Departmental Standard Drawings:

- 1043 Reinforcing Steel – Standard Bar Shapes
- 1044 Reinforcing Steel – Hook and Bend Details, Lap Lengths and Steel Reinforcement Information
- 4000 Precast Plank for Boat Ramp – Types RG4000 and RG3500
- 4001 Precast Plank for Boat Ramp – Types OS4000 and OS3500
- 4020 Boat Ramp Construction – Precast Plank Installation and Anchor Beam – Types 1 and 2
- 4021 Boat Ramp Construction – Earthworks and Crushed Rock Core Details

Departmental Specifications:

- MRTS70 Concrete
- MRTS71 Reinforcing Steel
- MRTS300 Boat Ramps

Australian and International Standards:

- AS/NZS 4671 Steel Reinforcing Materials
- AS/NZS 4680 Hot-dip Galvanized (Zinc) Coatings on Fabricated Ferrous Articles

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BOAT RAMP			
BOAT RAMP CONSTRUCTION – CONCRETE SLAB AND JOINT DETAILS		A3	Standard Drawing No
		Not to Scale	4023 Date 10/15
		A	